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node.js -- 簡單的網路記事本 NoteServer

JavaScript

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控制流程

進階功能

專案下載：NoteServer_v0.2.zip

版本 0.2：NoteServer.js

```
var path = require('path');
var fs = require("fs");
var qs = require('querystring');
var express = require("express");
var app = express();
app.listen(80);

var noteTemplate = "";

fs.readFile("note.htm", "utf8", function(err, file) {
    noteTemplate = file;
});

var error = function(err, res) {
    if (err) {
        res.writeHead(404, {'Content-Type': 'text/plain'});
        res.end();
    }
```

```
}

var response = function(res, type, text) {
    res.writeHead(200, {'Content-Type': type});
    res.write(text);
    console.log(text);
    res.end();
}

app.post('/save/:path', function(req, res){
    console.log('save ' + req.params.path);
    var path = "./"+req.params.path;
    formData = '';
    req.on("data", function (chunk) {
        formData += chunk;
    });

    req.on("end", function () {
        form = qs.parse(formData);
        response(res, "text/plain", "path:"+path+" saved!<br/>\n<pre>\n" + form.note + "\n</pre>\n");
    });
});

app.get('/note/:path', function(req, res){
    console.log('note ' + req.params.path);
    var path = "./"+req.params.path;
    fs.readFile(path, "utf8", function(err, file) {
        if (err)
            error(err, res);
        else
            response(res, "text/html", noteTemplate.replace("[[?path?]]", req.params.path)
            .replace("[[?path?]]", req.params.path).replace("[[?fileText?]]", file));
```

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```javascript
    });
});


app.get('*', function(req, res){
    console.log('url='+req.url);
    var path = '.' + req.url;
    console.log('path='+path);
    pathStat = fs.statSync(path);
    if (pathStat.isFile()) {
        fs.readFile(path, "utf8", function(err, file) {
            if (err)
                error(err, res);
            else
                response(res, "text/html", file);
        });
    } else if (pathStat.isDirectory()) {
        console.log(path +" is a directory");
        var html = "<html><body>";
        var files = fs.readdirSync(path);
        for (f in files) {
            fname = files[f];
            console.log("file:"+fname);
            filePath = req.url+fname;
            html += "<li><a href='"+filePath+"'>"+filePath+"</a></li>\n";
        }
        html += "<body></html>"
        response(res, "text/html", html);
    }
});


console.log('start NoteServer\n');
```

版本 0.1：NoteServer.js

```javascript
var fs = require("fs");
var qs = require('querystring');
var express = require("express");
var app = express();
app.listen(80);

var noteTemplate = "";

fs.readFile("note.htm", "utf8", function(err, file) {
    noteTemplate = file;
});

var error = function(err, res) {
    if (err) {
        res.writeHead(404, {'Content-Type': 'text/plain'});
        res.end();
    }
}

var response = function(res, type, text) {
    res.writeHead(200, {'Content-Type': type});
    res.write(text);
    console.log(text);
    res.end();
}

app.post('/save/:file', function(req, res){
    console.log('save ' + req.params.file);
    var filePath = "./"+req.params.file;
```

```
        formData = '';
        req.on("data", function (chunk) {
            formData += chunk;
        });


        req.on("end", function () {
            form = qs.parse(formData);
            response(res, "text/plain", "file:"+filePath+" saved!<br/>\n<pre>\n" + form.note + "\n</pre>\n");
        });
    });


    app.get('/note/:file', function(req, res){
        console.log('note ' + req.params.file);
        var filePath = "./"+req.params.file;
        fs.readFile(filePath, "utf8", function(err, file) {
            if (err)
                error(err, res);
            else
                response(res, "text/html", noteTemplate.replace("[[?filePath?]]", req.params.file)
                .replace("[[?filePath?]]", req.params.file).replace("[[?fileText?]]", file));
        });
    });


    app.get('/source/:file', function(req, res){
        console.log('source ' + req.params.file);
        var filePath = "./"+req.params.file;
        fs.readFile(filePath, "utf8", function(err, file) {
            if (err)
                error(err, res);
            else
                response(res, "text/plain", file);
        });
```

```
});

app.get('/show/:file', function(req, res){
    console.log('show ' + req.params.file);
    var filePath = "./"+req.params.file;
    fs.readFile(filePath, "utf8", function(err, file) {
        if (err)
            error(err, res);
        else
            response(res, "text/html", file);
    });
});

app.get('*', function(req, res){
    console.log('error : req='+ req);
});

console.log('start NoteServer\n');
```

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